1	Index	Ωf		lai	me
1	ınaex	OI	Lai	ıaı	ms



Application/Control No.

10/685,698 Examiner

Reexamination

Applicant(s)/Patent under

OHARA ET AL.

Art Unit

Bruce F. Bell

1746

√	Rejected
=	Allowed

(Through numeral) Cancelled Restricted

Z	Non-Elected
_	Interference

A	Appeal
0	Objected

Claim								,			<u> </u>								,	_	_		
Tell (1)     Tell (2)     Tell (2)	Cla	aim	m Date					]	Cla	aim	Date												
2   2   =   3   4   =   54   54   55   55   55   55   55   55   55   56   55   56   55   56   55   56   55   56   55   56   55   56   55   56   55   56   55   56   55   56   55   56   55   56   55   56   55   56   55   56   55   56   55   58   77   9   8   58   78   8			1/24/07																				
2   2   =   3   4   =   54   54   55   55   55   55   55   55   55   56   55   56   55   56   55   56   55   56   55   56   55   56   55   56   55   56   55   56   55   56   55   56   55   56   55   56   55   56   55   56   55   56   55   58   77   9   8   58   78   8	1	1	=		$\vdash$						<b></b>	1		51	$\Box$	7	_				T		Н
3			=					┌		<b>†</b>		1		52							$\vdash$	Т	П
5   4   6   =   56   56   56   56   56   56   56   56   56   56   56   56   56   56   56   56   57   58   59   8   10   2   59   8   10   2   60   9   11   2   61   11   11   12   14   2   62   11   13   2   63   12   14   2   64   4   13   15   2   63   14   16   4   64   4   13   15   2   63   66   66   66   66   66   67   7		3			1				Г			1						-				Г	П
4   6   =     5   7   =     6   8   =     7   9   =     8   10   =     9   11   =     10   12   =     11   13   =     12   14   =     13   15   =     14   16   =     17   =   66     17   =   67     18   =   68     19   =   69     20   =   70     21   =   71     22   =   72     23   =   73     24   =   74     25   =   76     27   =   77     28   =   79     30   80   80     31   81   83     32   82   82     33   83   84     33   84   84     39 </td <td>3</td> <td></td> <td>=</td> <td></td> <td></td> <td></td> <td>Г</td> <td></td> <td></td> <td>П</td> <td>1</td> <td>1  </td> <td></td> <td>П</td>	3		=				Г			П	1	1											П
5   7   =   57   58   58   7   9   =   559   8   0   59   1   559   8   0   1   59   1   1   559   8   0   0   0   1   9   11   1   59   1   0   60    0   0   0   0   0   0   0   0   0   0   0   0   0   0   0    0   0   0   0   0   0   0   0   0   0   0   0   0   0   0    0   0   0   0   0   0   0   0   0   0   0   0   0   0   0    0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0												]		55									П
6     8     =     58     59     8     59     8     10     =     60     9     11     =     61     10     12     =     61     11     13     =     62     11     13     =     63     11     =     63     11     =     63     11     =     63     =     -     63     =     -     63     =     -     64     4     =     -     66     -     -     -     66     -     -     -     67     -     -     -     66     -     -     -     -     -     -     66     - <t< td=""><td>4</td><td>6</td><td>=</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>56</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>П</td></t<>	4	6	=											56									П
7   9   =   60   9     9   11   =   60   9     10   12   =   62   —     11   13   =   63   —     12   14   =   64   —   63     13   15   =   66   —   66   —     17   18   68   68   —   69   —     19   69   —   69   —   70   —   71   —   72   —   72   —   72   —   73   —   74   —   74   —   74   —   74   —   75   —   26   —   76   —   77   —   28   —   76   —   77   —   28   —   78   —   79   —   30   —   30   —   31   —   31   —   31   —   31   —   31   —   31   —   31   —   31   —   32   —   32			=		_																		
8   10   =   60   61     9   11   =   62   62     110   12   =   63   63     12   14   =   63   64     13   15   =   66   65     14   16   =   66   67     18   68   69   69     20   70   70   70     21   71   72   72     23   73   73   74     24   74   74   74     25   75   75   76     27   77   77   77     28   79   30   80     31   81   81   82     33   83   83   83     34   84   84   84     35   86   86   86     37   87   88   88     38   88   88   88     39   89   99   99     40<			=																				
9     11     =     61     62     —     —     63     —     —     63     —     —     63     —     —     63     —     —     63     —     —     63     —     —     64     —     —     63     —     —     64     —     —     63     —     —     64     —     —     66     —     —     67     —     67     —     66     —     —     67     —     67     —     68     —     —     67     —     67     —     67     —     67     —     67     —     70     —     70     —     71     —     72     —     72     —     72     —     73     —     73     —     73     —     74     —     74     —     74     —     75     —     76     —     76     —     76     —     77     —     78     —     78     —<	_		=				<u> </u>																
10     12     =       11     13     =       12     14     =       13     15     =       14     16     =       17     66     67       18     68     69       20     70     71       21     71     72       22     73     74       25     75     76       26     76     77       28     79     78       29     79     80       30     80     81       31     81     82       33     83     84       35     85     85       36     86     86       37     87     87       38     89     99       40     90     90       41     91     92       43     94     99       46     96     96       47     97     98 <						<u></u>	_	<u> </u>				1											Ш
11     13     =     63     64     63     64     65     65     66     66     66     67     66     67     68     68     69     70     71     71     72     72     72     72     73     73     74     74     74     74     74     74     74     74     74     74     77     72     73     73     74     74     77     72     73     74     74     77     77     72     72     73     73     74     74     77     77     72     73     73     74     78     79     79 </td <td></td> <td></td> <td>_</td> <td>_</td> <td></td> <td></td> <td></td> <td>Ĺ_</td> <td></td> <td></td> <td><u> </u></td> <td></td> <td></td> <td>61</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>ļ</td> <td></td> <td></td> <td></td>			_	_				Ĺ_			<u> </u>			61						ļ			
12     14     =     64     65     66     66     67     67     67     67     67     67     68     68     69     70     71     72     72     72     72     72     72     73     73     74     74     74     74     74     74     74     74     75     75     75     76     77     77     78     78     79     78     79     78     79     78     79     78     79     79     78     79     79     79     79     79     79     79     79     79     79 </td <td></td> <td></td> <td>-</td> <td></td> <td></td> <td><u> </u></td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td>L</td> <td>Ш</td>			-			<u> </u>					_											L	Ш
13   15   =   65   66   67   68   67   68   69			-	_	<u> </u>					<u> </u>	<u> </u>			63	$\sqcup$				<u> </u>	_			Ш
14   16   =   66   67   68   69   69   69   70   71   71   72   72   72   73   74   74   74   74   75   75   75   75   75   75   75   76   77   78   78   78   78   78   78   79   30   80   80   80   80   81   81   82   33   83   83   83   83   83   83   84   84   84   84   84   84   84   88   88   88   88   88   88   89   90				<u> </u>				<u> </u>	_	┡	<u> </u>	ļ į			$\sqcup$							<u> </u>	Ш
17   18     19   68     20   70     21   71     22   72     23   73     24   74     25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     41   91     42   92     43   93     44   94     45   96     47   97     48   99			_	<u> </u>			<u> </u>		_	<u> </u>	_	1 1			<u> </u>							_	Ш
18   68     19   68     20   70     21   71     22   72     23   73     24   74     25   75     26   76     27   77     78   78     29   79     30   80     31   81     32   82     33   84     35   85     36   86     37   87     38   88     39   90     41   91     42   92     43   94     44   94     45   96     47   97     48   98     99   99	14		=	<u> </u>		<u> </u>	<u> </u>				_				$\sqcup$		_		_	L_			
19   69     20   70     21   71     22   72     23   73     24   74     25   75     26   76     27   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     40   90     41   91     42   92     43   94     45   96     47   97     48   98     49   99			_	<u> </u>				ļ	_	<u> </u>					$\sqcup$	_			_	_	<u> </u>	<u> </u>	$\vdash$
20   70     21   71     22   72     23   74     25   75     26   76     27   77     28   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   88     39   89     40   90     41   91     42   92     43   94     44   94     45   96     47   97     48   98     49   99				<u> </u>	_		<u> </u>		_	┞	_				ш					_			Ш
21   71     22   72     23   74     25   75     26   75     27   77     28   78     29   79     30   80     31   81     32   82     33   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   94     45   96     46   96     47   97     48   99			ļ	_		_	<u> </u>	<u> </u>	ļ	├	_	<b>↓                                    </b>			$\vdash$		_			<u> </u>		_	Н
22   72     23   74     25   75     26   76     27   77     28   78     29   80     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   94     44   94     45   96     46   96     47   97     48   98     49   99			<u> </u>	ļ	_			<u> </u>	<u> </u>	-		┦ ∤					4			<u> </u>		<u> </u>	Н
23   73     24   74     25   75     26   76     27   76     28   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   94     44   94     45   95     46   96     47   97     48   98     49   99		21	<u> </u>		<u> </u>				<u> </u>	├-		<b>↓</b>		71	$\vdash$				_	<u> </u>		<u> </u>	Н
24   74     25   75     26   76     27   77     28   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   94     44   94     45   96     47   97     48   98     49   99			H	<u> </u>	┝	<u> </u>			⊢	⊢		1 1			$\vdash$	_ i	_		<u> </u>	-		<u> </u>	
25   75     26   76     27   77     28   77     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   96     47   97     48   98     49   99				<u> </u>				H		┢	<del> </del>	1			$\vdash \vdash$	$\dashv$	1			_			H
26   76     27   77     28   77     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   96     47   97     48   98     49   99	-		<u> </u>			<u> </u>		├-		-	⊢	1		75						┝	_	_	Н
27   28   77   78     29   30   80   81     31   81   82   83     33   84   84   85     36   86   86   87     38   88   89   90     41   91   92   93     43   94   94   94     45   96   97   98     49   99   99   99	<b></b>			$\vdash$	├						⊢	1 1		76	$\vdash$	$\dashv$	-			┝	-		$\vdash$
28 78   29 79   30 80   31 81   32 82   33 83   34 84   35 85   36 86   37 87   38 88   39 89   40 91   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99		27			<del> </del> -			-		⊢	$\vdash$	1			$\vdash$	$\dashv$				⊢			H
29 79   30 80   31 81   32 82   33 83   34 84   35 85   36 86   37 87   38 88   39 89   40 91   41 91   42 92   43 94   44 94   45 95   46 96   47 97   48 98   49 99	<u> </u>				├			-		╁	⊢	} }			$\vdash$	$\dashv$	-			┢	<u> </u>		H
30	<b></b>			$\vdash$	-				┢	╁	$\vdash$	1			$\vdash$	$\dashv$		-			$\vdash$		Н
31 81   32 83   33 84   35 85   36 86   37 87   38 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99	<u> </u>	30						_	╁	╁		1			$\vdash$	$\dashv$	$\dashv$			-	├	-	$\vdash$
32 82   33 84   35 85   36 86   37 87   38 87   39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99					$\vdash$	-			-		-	1				-+	$\dashv$		_	$\vdash$	$\vdash$	-	Н
33 83   34 84   35 85   36 86   37 87   38 87   39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99	-		-		$\vdash$				$\vdash$	$\vdash$		1			H	$\dashv$				$\vdash$	$\vdash$		H
34 84   35 85   36 86   37 87   38 88   39 89   40 90   41 91   42 92   43 93   44 94   45 96   47 97   48 98   49 99		33	_				_		1	-	<del>                                     </del>	1 1				-	$\dashv$		_	┢┈	$\vdash$		H
35 85   36 86   37 88   38 88   39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99			Н				<del>                                     </del>	<u> </u>			<del>                                     </del>	1		84	-	-		_		_	$\vdash$	<u> </u>	H
36 86   37 88   38 88   39 88   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99		35	_				Ι		1	<u> </u>	<del>                                     </del>	1			1	7	$\dashv$			$\vdash$	$\vdash$		$\square$
37 87   38 88   39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99	<u> </u>				<del>                                     </del>							1		86	$\vdash$	$\dashv$	$\dashv$		-	<del>                                     </del>	<del> </del>	$\vdash$	$\vdash$
38   88     39   90     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   98     49   99					$\vdash$							1			$\forall$	$\dashv$	$\neg$	_		_	$\vdash$	$\vdash$	$\vdash$
39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99												1			$\vdash$								П
40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99										Ī	П	1				7		_					
41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99		40							l			1			H			_				Г	
42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99		41							Г			1		91		1							П
43 93   44 94   45 95   46 96   47 97   48 98   49 99		42										]		92		Ţ						Г	
44 94   45 95   46 96   47 97   48 98   49 99		43										]		93								Ĺ	
46														94									
46 96 97 97 98 98 99 99 99 99 99 99 99 99 99 99 99		45										] [		95									
48 98 99		46										] [		96									
49 99 99			L									] [											
	<u></u>					$\Box$			_	<u> </u>	<u>L</u>	] [		98	$\Box$	Д				$\Box$			
50		49	Ц.,	L			Ш			$ldsymbol{ldsymbol{ldsymbol{eta}}}$	<u> </u>			99	$\sqcup$	$\Box$	$\Box$			Ш	<u> </u>		Ш
		50	L_	Щ.							<u> </u>	] [		100						<u></u>			

	21111	<b>⊢</b>				Jan	-	_		
Final	Original									
	51		_							
	51 52 53	-		_		_		$\vdash$	$\vdash$	$\vdash$
	53		_	┢	-	-		┢		$\vdash$
-	E4	⊢			_	-		-	-	┢
	54 55	$\vdash$	-	_			<u> </u>	┢	-	_
	55	<u> </u>						_	<u> </u>	_
-	56	_							L_	<u> </u>
	57							_		
	58									
	59									
	59 60									
	61									
	62									
	63								-	
	62 63 64					_	_			$\vdash$
	65	П				_			$\vdash$	$\vdash$
	65 66				-	$\vdash$			$\vdash$	$\vdash$
-	67	-	$\vdash$			$\vdash$	-			-
-	68		-						-	├-
	69								-	$\vdash$
-	70	-					<u> </u>		_	H
-	70 71					_	<u> </u>		<u> </u>	⊢
	71	<u> </u>		<u> </u>	_	<u> </u>	<u> </u>		_	H
	72				<u> </u>	├		_	<u> </u>	
<u> </u>	73	H		<u> </u>	<u> </u>		_			H
<u> </u>	73 74 75			├—	<u> </u>	<u> </u>	<u> </u>	<u> </u>		L
	75			<u> </u>			<u> </u>	<u> </u>		_
	76 77	H		<u> </u>		<u> </u>	$\vdash$	_		_
	70			<u> </u>		<u> </u>		_		
	78 79			<u> </u>		_	<u> </u>	$\vdash$		
<u> </u>	79			$\vdash$	<u> </u>	ļ <u>.</u>	<u> </u>	<u> </u>		
<u> </u>	80	L.	_	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>		
<u> </u>	81 82 83			ļ	_	_	_	<u> </u>		
ļ	82		_			L_	<u> </u>			
	83				L.		<u> </u>	L		
	84 85			L		L				
	85			L			_			
	86				L			L		
	87									
	88									
	89									
	90									
	91									
	92	L						L		
	93									
	94									
	95									
	96									
	97									
	98									
	99									
	100									

Claim     Date       B     C       101     0       102     0       103     0       104     0       105     0       106     0       107     0       108     0	
101 102 103 104 105 106	
101 102 103 104 105 106	
101 102 103 104 105 106	
104 105 106	
104 105 106	
104 105 106	
104 105 106	
105 106 107	
106	
107	
	<del></del>
109	
110 1 1 1	
110	
112	+
112 113	$\top$
114	$\top$
115	
116	
117	
118 119	
119	
120	
121 122 123 124 125	
122	
123	$\perp$
125	
125	+
126 127	+
128	+-
129 130 131	$\top$
130	$\top$
131	
132 133	
133	
134 135	
135	
136	
137 138	
138	
139	+
141	+
142	+-
143	+
144	+
145	
146	$\top$
147	$\neg \neg$
148	$\top$
149	$\perp$
150	